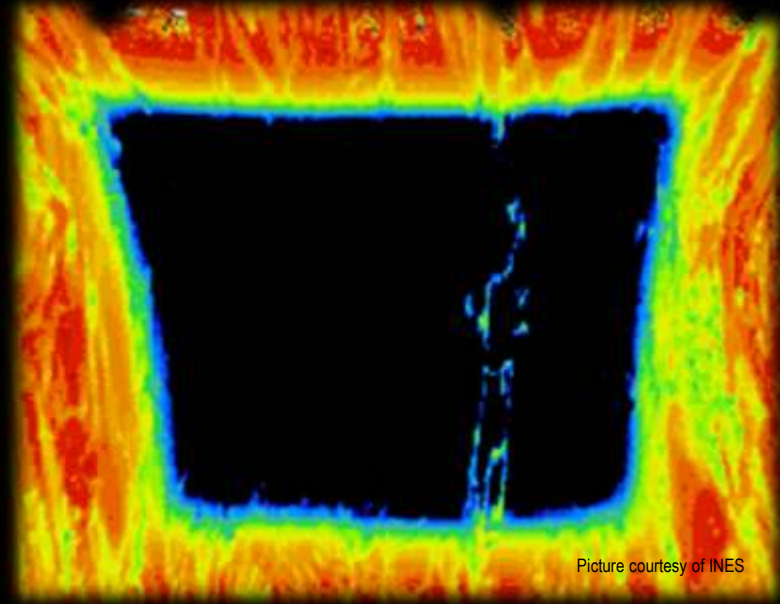


Standard coated crucible



Picture courtesy of INES

SOLAR® Crucible HPC™

SOLAR® Crucible HPC™

Boost your furnace productivity for multi-crystalline ingots

Partners in Performance



SOLAR[®] Crucible HPC[™] - High Performance Crucible

Higher ingot Quality and Longer Lifetime

SOLAR[®] is the Vesuvius brand of all technical solutions developed for the photovoltaic industry. The SOLAR[®] Crucible HPC[™] is a high performance crucible used for the fusion and the crystallization of polysilicon in the manufacturing of multi-crystal silicon ingots. The HPC[™] has been specially engineered to optimize the use of silicon feedstock and to increase the yield of ingot growing operation.

SOLAR[®] Crucible HPC[™] Benefits

- **Smaller red zone**
Best ingot yield through 20 to 25% reduced bottom red zone
- **Increased average lifetime of wafer**
Enabling higher cell efficiency up to 0.8% absolute cell efficiency
Through reduced diffusion of impurities into the ingot contamination
- **Shorter cycle time**
3 hours gain in average on crystallization time
- **No sticking**
Through Vesuvius patented coating solution which prevents coating flaking
Through coating deposition profile adjusted to application requirements
- **Easy ingot release and no additional ingot cleaning required before squaring**

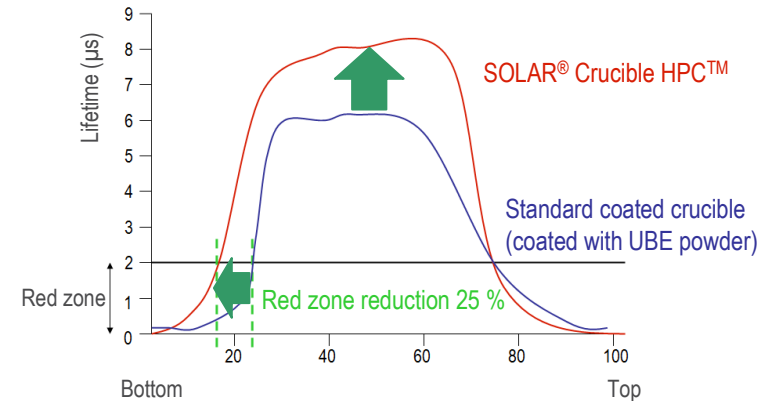
Where to find SOLAR[®] Crucibles ?

Website: www.vesuvius.com

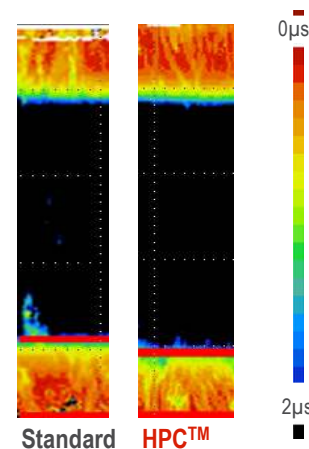
Contact us: www.vesuviusinquiry.com



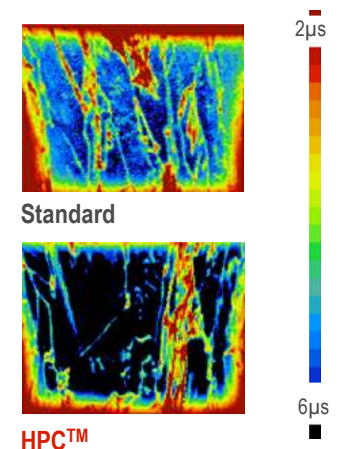
HPC[™] performance tested on a Gen0 Crucible



Smaller red zone



Longer lifetime



Ref: INES (Institut National de l'Energie Solaire)